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PATENT  
Attorney Docket No.: 02307E-099810US  
Client Ref. No.: 1999-373-2

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

On April 7, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Joy M. Marshall

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Gwynne Attarian, et al.

Application No.: 09/747,385

Filed: December 22, 2000

For: FUSOBACTERIUM NUCLEIC  
ACIDS, PLASMIDS AND VECTORS

Customer No.: 20350

Confirmation No. 9499

Examiner: Lambertson, David A.

Technology Center/Art Unit: 1636

AMENDMENT AND RESPONSE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed October 7, 2003, please enter the following amendments and remarks. A petition to extend time for three months under 37 C.F.R. §1.136(a) is also enclosed.

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this paper.

**Amendments to the Drawings** begin on page 14 of this paper and include an attached replacement sheet.

**Remarks/Arguments** begin on page 15 of this paper.

Appl. No. 09/747,385  
Amdt. dated April 7, 2004  
Reply to Office Action of October 7, 2003

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An **Appendix** including amended drawing figures is attached following page 26 of this paper.